

Vought Document Management

Background

Vought wanted to migrate from their legacy document management system to a newer web-based document management system. UGS PLM's Metaphase system which is already implemented to manage their parts data is a natural choice for the document management using what was then newly released Document Management module called MetaDM.

Requirements and Challenges

However, Vought's Document Management requirements didn't match what was provided via MetaDM. Some of these requirements include

- Ability to View Documents via Web (MetaWeb)
- Ability to Markup Documents via Web
- Ability to impart print stamps from server when printing is done from EAI's VisView to the local printers
- 3D View via Web
- Integration with Oce print solution
- Document Scanning /Conversion

Metaphase's MetaDM lacked some of the functionality

- No tight integration with VisView – a 2D/3D Viewer of choice at Vought
- Lack of View capabilities in MetaWeb
- Lack of Markup save from MetaWeb
- No integration with Oce print solution

Entys Solution

Entys (then called eMeta Consulting Group) working with EAI, SDRC and Oce, developed a new architecture that allowed all these disparate systems to work together to deliver the client requirements. In the process, Entys developed

- New mid tier software called j-dmagent that allowed MetaWeb users same View, Markup and Print capability as existed in MetaDM's Classic Client interface
- Developed integration with Oce

- Developed Markup save software that didn't require polling to see if markup layer is saved. This software automatically detected Markup layers saved, transferred them to server and generated the required Metaphase metadata.
- Developed ability to view 3D images via MetaWeb
- Working with EAI, Entys developed a technique that allowed server based information to be printed as stamps when images are printed to local printers

The project was completed successfully and rolled to 4500 users across US.

Client benefits:

- Leverage existing Metaphase implementation eliminating islands of information
- Web based distribution of images, allowing thin-clients to full access to View, Markup and Print
- Project completed within budget and time
- Ability to markup and view documents saved significant costs and speeded up communications between Engineering and Shop floors working at different sites